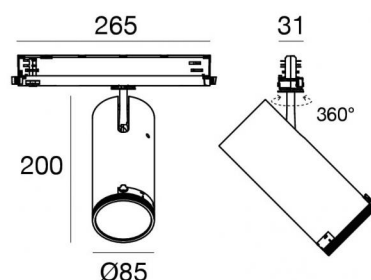


Scheinwerfer | 176-264 V AC /176-280 V DC
1 arrayLED 32.5 W DC - 37 W AC | CRI 90
81991W85



Technische Daten	
Typ	Schiene
Installationsposition	Decke
Installationsumgebung	Indoor
Lichtquelle	LED
Circuit structure	arrayLED
Optik	Adjustable Focus
Light emission direction	frontal
Lampe Nennleistung	32.5 W DC
Gesamtleistung	37 W
Lichtstrom (Lichtquelle)	5128 lm
Nominale Eingangsspannung	220 - 240 V AC
Eingangsspannungsbereich	176 - 264 V AC
Frequency	50 - 60 Hz
Ähnlichste Farbtemperatur / Tone	3000 K
Farbwiedergabeindex	90 Ra
Gleichstrom/Gleichspannung	AC
Isolierklasse	2
IP	IP20
Glühdrahtprüfung	850°
Direkte Montage auf normal entflammaren Oberflächen	Ja
CE	Ja
Einschließlich Driver	Driver
Leuchte dimmbar	DALI-2 - PUSH DIM
Schwenkbarkeit	Orientabile
Gesamtwinkel (vertikale Ebene)	90 °
Gesamtwinkel (horizontale Ebene)	360 °
Drehbarkeit	Nein
Begehrbarkeit	Nein
Überrollbarkeit	Nein
Einschließlich Kabel	Nein
Harzbeschichtung	Nein
Typ Lichtabstrahlung	Einflammig
Nettogewicht	0.92 Kg
Schutz vor elektrostatischen Entladungen	Ja
Schutz vor Stoßspannungen	2 KV
Optiktechnologie	Anti - Glare

Oberfläche Oberfläche Gehäuse

Material	Stranggepresstes Aluminium EN AB - 46100
Farbe	Text white RAL9003
Bearbeitungstyp	Pulverbeschichtung mit duroplastischen Pulvern

Scheinwerfer | 176-264 V AC /176-280 V DC | 1 arrayLED 32.5 W DC - 37 W AC | CRI 90 |
Maximaler optischer Winkel
81991W85

Single emission projectors for indoor application. The warm white LED light source with a adjustable focus light distribution is composed of 1 arrayed LEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 5128 lm, with a 157.8 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a text white ral9003 finish, processed by means of powder coating with thermosetting powders.

The ingress protection degree is IP20; the total weight is of 0.92 kg.

The total absorbed power is 37 W

The device features protection class II and can be ceiling-mounted.

Compliant with the EN 60598-1 standard and its specific provisions.

Energieeffizienzklasse

Dieses Produkt enthält eine Lichtquelle der Energieeffizienzklasse D.

Illuminotechnical Eigenschaften

Light Output Ratio (LOR)	48 %
Lichtstrom (Lichtquelle)	5128 lm
Leuchten Lichtstrom	2475 lm
Consumption	37 W
Leuchten Lichtausbeute	66 lm/W
Farbtemperatur	3000 K
Standard Deviation of Colour Matching	2 Step MacAdam
Farbwiedergabeindex	90 Ra
Colour Rendering Index	60 R9
Black Body Locus	On
Standardumgebungstemperatur	-20 / +50°C
Typische Temperatur am Glas	40°C

LED Life / Failure Ratio

L70 B10 C0 235315h (at Tj 65 Ta 25)

L80 B10 C0 147343h (at Tj 65 Ta 25)

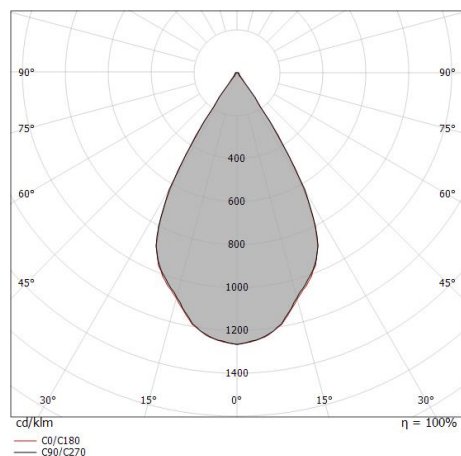
L90 B10 C0 69745h (at Tj 65 Ta 25)

UGR

UGR axial	21.1
UGR transversal	21
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

Optik C0/C180	59°
Light distribution simmetry	Symmetrical

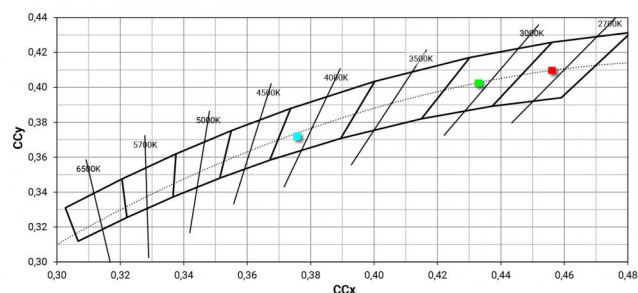
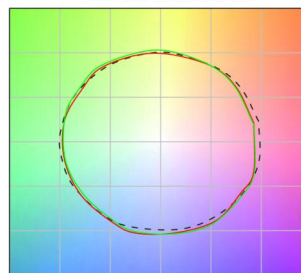


0.5	0.58 0.57	E(0°) E(C90) E(C0)	12521 4093 4130
1.0	1.15 1.14	E(0°) E(C90) E(C0)	3130 1023 1033
1.5	1.73 1.71	E(0°) E(C90) E(C0)	1391 455 459
2.0	2.30 2.26	E(0°) E(C90) E(C0)	783 256 258
2.5	2.88 2.85	E(0°) E(C90) E(C0)	501 164 165
3.0	3.45 3.42	E(0°) E(C90) E(C0)	348 114 115

Distance [m] Cone diameter [m] Illuminance [lx]

— C0/C180 (Half-peak divergence: 59.4°)
— C90/C270 (Half-peak divergence: 59.8°)

COLOR VECTOR GRAPHIC



Scheinwerfer | 176-264 V AC /176-280 V DC | 1 arrayLED 32.5 W DC - 37 W AC | CRI 90 |

Minimaler optischer Winkel

81991W85

Single emission projectors for indoor application. The warm white LED light source with a adjustable focus light distribution is composed of 1 arrayled LEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 5128 lm, with a 157.8 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a text white ral9003 finish, processed by means of powder coating with thermosetting powders.

The ingress protection degree is IP20; the total weight is of 0.92 kg.

The total absorbed power is 37 W

The device features protection class II and can be ceiling-mounted.

Compliant with the EN 60598-1 standard and its specific provisions.

Energieeffizienzklasse

Dieses Produkt enthält eine Lichtquelle der Energieeffizienzklasse D.

Illuminotechnical Eigenschaften

Light Output Ratio (LOR)	23 %
Lichtstrom (Lichtquelle)	5128 lm
Leuchten Lichtstrom	1188 lm
Consumption	37 W
Leuchten Lichtausbeute	32 lm/W
Farbtemperatur	3000 K
Standard Deviation of Colour Matching	2 Step MacAdam
Farbwiedergabeindex	90 Ra
Colour Rendering Index	60 R9
Black Body Locus	On
Standardumgebungstemperatur	-20 / +50°C
Typische Temperatur am Glas	40°C

LED Life / Failure Ratio

L70 B10 C0 235315h (at Tj 65 Ta 25)

L80 B10 C0 147343h (at Tj 65 Ta 25)

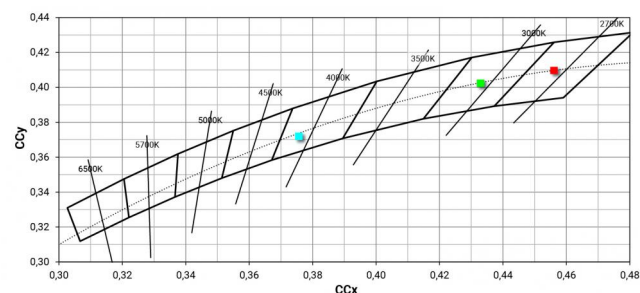
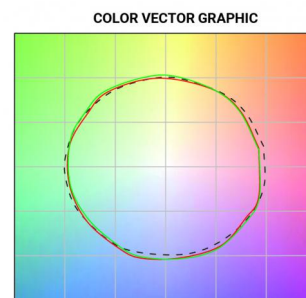
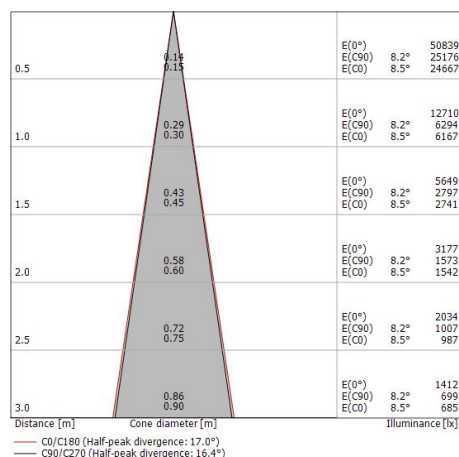
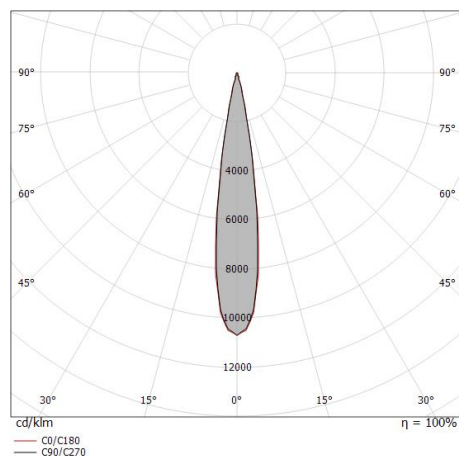
L90 B10 C0 69745h (at Tj 65 Ta 25)

UGR

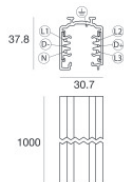
UGR axial	11.7
UGR transversal	11.8
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

Optik C0/C180	16°
Light distribution simmetry	Symmetrical



Pound_Focus | Projectors | Accessories
81991W85



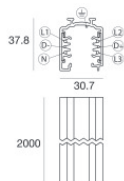
Schiene

Länge: 1000mm; Typ Schiene: Standard.

Material:Aluminium, farbe:Text white RAL9003, bearbeitungstyp :Lackierung.

Code

83336



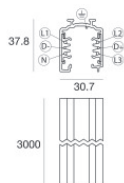
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Material:Aluminium, farbe:Text white RAL9003, bearbeitungstyp :Lackierung.

Code

83337



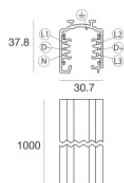
Schiene

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Material:Aluminium, farbe:Text white RAL9003, bearbeitungstyp :Lackierung.

Code

83338



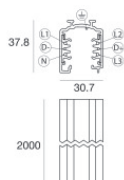
Schiene

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Material:Aluminium, farbe:Text black RAL9005, bearbeitungstyp :Lackierung.

Code

83339



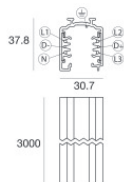
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Länge: 2000mm; Typ Schiene: Standard.

Material:Aluminium, farbe:Text black RAL9005, bearbeitungstyp :Lackierung.

Code

83340



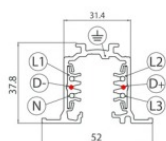
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Material:Aluminium, farbe:Text black RAL9005, bearbeitungstyp :Lackierung.

Code

83341



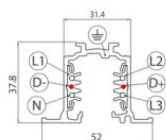
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Material:Aluminium, farbe:Text white RAL9003, bearbeitungstyp :Lackierung.

Code

80990



Schiene

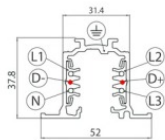
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Material:Aluminium, farbe:Text white RAL9003, bearbeitungstyp :Lackierung.

Code

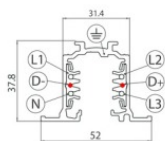
80991

Pound_Focus | Projectors | Accessories
81991W85



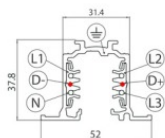
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Material:Aluminium, farbe:Text white RAL9003, bearbeitungstyp :Lackierung.

Code
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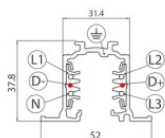
Schiene
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Material:Aluminium, farbe:Text black RAL9005, bearbeitungstyp :Lackierung.

Code
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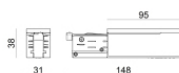
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Länge: 2000mm; Typ Schiene: Standard.
Material:Aluminium, farbe:Text black RAL9005, bearbeitungstyp :Lackierung.

Code
80994



Schiene
Länge: 3000mm; Typ Schiene: Standard.
Material:Aluminium, farbe:Text black RAL9005, bearbeitungstyp :Lackierung.

Code
80995



Stromversorgung
Material:PC, farbe:Weiß.

Code
81033



Stromversorgung
Material:PC, farbe:Black.

Code
81034



Stromversorgung
Material:PC, farbe:Weiß.

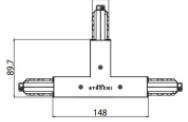
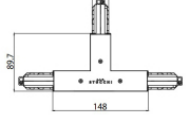
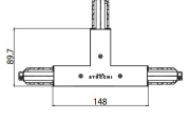
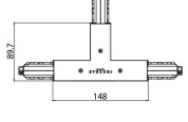
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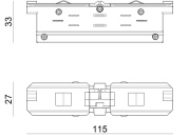
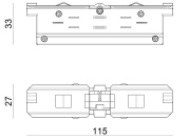
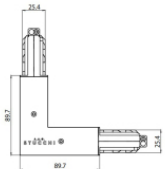
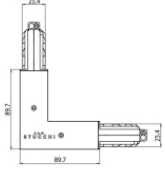
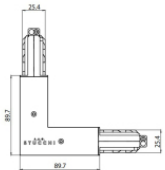
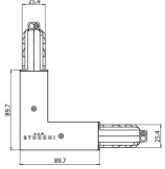
Stromversorgung
Material:PC, farbe:Black.

Code
81037

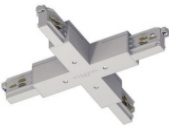
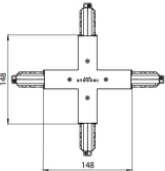
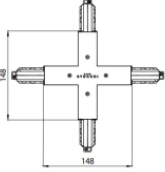
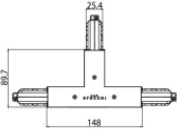
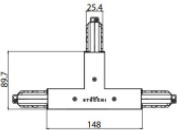
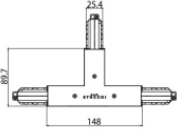
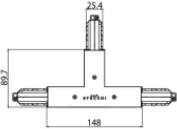
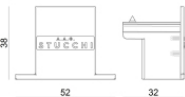
Pound_Focus | Projectors | Accessories
81991W85

		Kabelverbindung Typ linear. Material:PC, farbe:Weiß.	Code <u>81042</u>
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		Kabelverbindung Typ linear. Material:PC, farbe:Weiß.	Code <u>81051</u>
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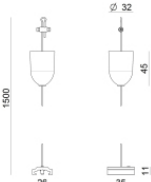
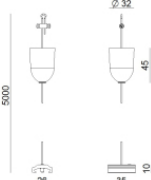
Pound_Focus | Projectors | Accessories
81991W85

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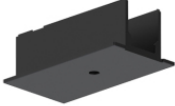
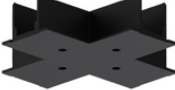
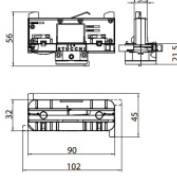
Pound_Focus | Projectors | Accessories
81991W85

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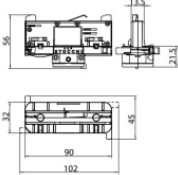
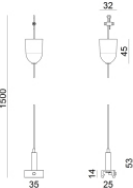
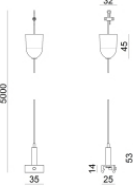
Pound_Focus | Projectors | Accessories
81991W85

	Deckenrosette - Weißes Aufhängungsset 1,5 m + Halterung (9000-KIT5-1,5-W) Einschließlich Driver: Nein. Material:Kunststoff, farbe:Weiß.	Code <u>81012</u>
 	Deckenrosette - Schwarzes Aufhängungsset 1,5 m + Halterung (9000-KIT5-1,5-B) Einschließlich Driver: Nein. Material:Kunststoff, farbe:Black.	Code <u>81014</u>
 	Deckenrosette - Weißes Aufhängungsset 5 m + Halterung (9000-KIT5-5-W) Einschließlich Driver: Nein. Material:Kunststoff, farbe:Weiß.	Code <u>81013</u>
 	Deckenrosette - Schwarzes Aufhängungsset 5 m + Halterung (9000-KIT5-5-B) Einschließlich Driver: Nein. Material:Kunststoff, farbe:Black.	Code <u>81015</u>
	Hängeleuchten Material:Kunststoff, farbe:Weiß.	Code <u>81021</u>
	Hängeleuchten Material:Kunststoff, farbe:Black.	Code <u>81022</u>
 	Klammer L=35mm, H=14mm, D=24mm. Material:Aluminium, farbe:Polished aluminium.	Code <u>81086</u>
 	Klammer L=35mm, H=14mm, D=24mm. Material:Aluminium, farbe:Weiß, bearbeitungstyp :Lackierung.	Code <u>81087</u>

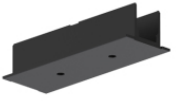
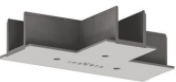
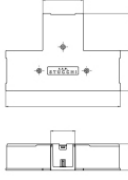
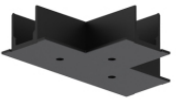
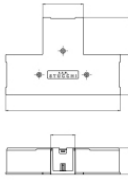
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81991W85

		Klammer L=35mm, H=14mm, D=24mm. Material:Aluminium, farbe:Text black RAL9005, bearbeitungstyp :Lackierung.	Code 81088
		Drahtabdeckung Material:PC, farbe:Weiß.	Code 81069
		Drahtabdeckung Material:PC, farbe:Black.	Code 81070
		Drahtabdeckung Material:PC, farbe:Weiß.	Code 81075
		Drahtabdeckung Material:PC, farbe:Black.	Code 81076
		Drahtabdeckung Material:PC, farbe:Weiß.	Code 81081
		Drahtabdeckung Material:PC, farbe:Black.	Code 81082
			Code 81091

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 		Code <u>81093</u>
	Werkzeug - Schneidezange S?9000/T Material:Gummi, farbe:Black.	Code <u>81005</u>
	Hängeleuchten Material:Kunststoff, farbe:Weiß.	Code <u>81006</u>
 	Hängeleuchten Material:Kunststoff, farbe:Black.	Code <u>81008</u>
	Hängeleuchten Material:Kunststoff, farbe:Weiß.	Code <u>81007</u>
 	Hängeleuchten Material:Kunststoff, farbe:Black.	Code <u>81009</u>
	Hängeleuchten Material:Kunststoff, farbe:Weiß.	Code <u>81018</u>
	Hängeleuchten Material:Kunststoff, farbe:Black.	Code <u>81019</u>

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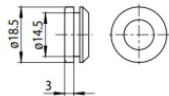
		Klammer L=180mm, H=24mm, D=26mm. Material:Aluminium, farbe:Anodised aluminium, bearbeitungstyp :Eloxierung.	Code <u>81024</u>
		Klammer L=180mm, H=24mm, D=20mm. Material:Aluminium, farbe:Weiß RAL 9010, bearbeitungstyp :Lackierung.	Code <u>81025</u>
		Klammer L=180mm, H=24mm, D=20mm. Material:Aluminium, farbe:Schwarz RAL 9005, bearbeitungstyp :Lackierung.	Code <u>81026</u>
		Drahtabdeckung Material:PC, farbe:Weiß.	Code <u>81072</u>
		Drahtabdeckung Material:PC, farbe:Black.	Code <u>81073</u>
		Drahtabdeckung Material:PC, farbe:Weiß.	Code <u>81078</u>
		Drahtabdeckung Material:PC, farbe:Black.	Code <u>81079</u>
		Drahtabdeckung Material:Weiß.	Code <u>83249</u>

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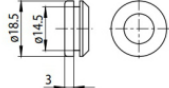
Drahtabdeckung
Material:Schwarz, farbe:Black.

Code
83250



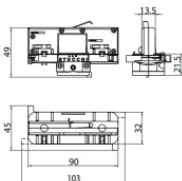
Endkappe
Material:Weiß.

Code
81084

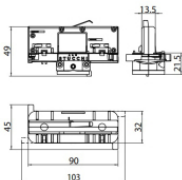


Endkappe
Material:Schwarz, farbe:Black.

Code
81085



Code
81094



Code
81095